

Date: Wed, 5 May 93 16:11:45 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #542
To: Info-Hams

Info-Hams Digest Wed, 5 May 93 Volume 93 : Issue 542

Today's Topics:

 Another AM Question
Call for opinions: 9913 vs. CQ-FLEXI (2 msgs)
 Confusing letters in call signs
 Kenwood 741 Out of Band Problem
 Looking for Article in Apr 92 "73"
 March/Rally/Prayer for Bosnian peace
Mobile antenna choice suggestions requested
 no-code defense
Opinions & Mods wanted for Yaesu FT-530
 QSL info for 3C1EA
 Ramsey Addr?
 Relativity
Request for Mods for Yaesu FT-5100/5200
 Spread Spectrum use?
 Why is .info stuff here?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 4 May 1993 22:56:52 GMT
From: usc!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcsol
myers@network.UCSD.EDU
Subject: Another AM Question
To: info-hams@ucsd.edu

>>Now, for extra credit, figure out what's wrong with the above, and how it
>>relates to the original question. (And PLEASE, let's not have everyone

>>posting the answer...this is something I'd like some people to think about
>>for a while, OK?)
>
> What's wrong, of course,.....

I take it, Gary, that you simply didn't read far enough in the above, where
I specifically asked people NOT to post the answer (and by so doing, halt the
thought processes of others)?

Not, of course, that your answer was entirely correct...it wasn't.

Bob Myers	KC0EW	Hewlett-Packard Co.	Opinions expressed here are not
		Systems Technology Div.	those of my employer or any other
myers@fc.hp.com		Fort Collins, Colorado	sentient life-form on this planet.

Date: 4 May 93 17:53:38 MDT
From: concert!gatech!howland.reston.ans.net!agate!dog.ee.lbl.gov!
hellgate.utah.edu!cc.usu.edu!slp9m@decwrl.dec.com
Subject: Call for opinions: 9913 vs. CQ-FLEXI
To: info-hams@ucsd.edu

There's no "right" answer to this question, but I'd like to hear some
experience-based opinions.

According to my sources (ARRL Antenna book for 9913, Certified Communications
propaganda sheet for CQ-FLEXI) both Belden 9913 and Certified Quality 9913
equivalent have the same attenuation at 50 MHz. (I need a run for HF. I
haven't looked at the slope of the FLEXI curve to see if it matches that of
9913. 50 MHz seemed a good common data point for my applicaion.) I conclude
that as far as attenuation is concerned, there is no advantage to using
CQ-FLEXI. From what I've found out so far, the best price I can get on
CQ-FLEXI is about \$0.14/ft more than the best price I can get on genuine Belden
9913. So, now the question for the experienced - is the extra 14 cents per
foot worth the added flexibility (and any other advantage the Certified Quality
product may hold over Belden)?

73, -SEP

Scott E. Parker WA7VYJ \ INTERNET: sparkier@cedar.hao.ucar.edu
Center for Atmospheric & Space Sciences \ slp9m@cc.usu.edu
Utah State University \ Twisted pair: (801) 750-2975
Logan, UT 84322-4405 \ Home: (801) 753-3924

Date: 5 May 93 12:25:47 GMT
From: ogicse!hp-cv!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@network.UCSD.EDU
Subject: Call for opinions: 9913 vs. CQ-FLEXI
To: info-hams@ucsd.edu

You haven't really given enough information to make cable selection possible.

Coaxial cables have losses which are fairly low, and then at some frequency, start increasing (accelerating curve) with increasing frequency. On HF, there is not a lot to choose between cables on losses. Even RG58 is not so bad, if runs are short.

If the run is very long, then small differences per metre can become worthy of consideration and things like Heliax and hardline with appropriate things at their ends and lengths of flexible stuff to go around rotators should also be considered. If loss is important, open wire line is hard to beat, but may not be as convenient as you might wish.

It looks like your cable choice has to be made on non-electrical aspects. What bend radius does it need to handle? Does part of it need to flex repeatedly around a rotator? How about the life expectancy of the outer jacket due to UV exposure? What about water ingress through the outer jacket? Most of this will not be covered in data sheets, at least not in ways that allow you to compare different brands. Some cables are so recent that no-one has got any long term experience to give any idea of life expectancy. Very flexible cheap cable often has a PVC outer jacket containing a lot of plasticiser, which leaches out and attacks the braid, leading to increased loss with age. The sorts of outer best suited to resist UV exposure are stiffer too. There are good reasons to expect longer life from the stiffer cable, unless repetitive flexing kills it.

I have measured a wide variety of cables from HF to microwave, and designed flatness equalisers to correct the cable's roll-off for precision measurement purposes. I have always found manufacturer's attenuation data to be reasonably trustworthy, where the manufacturer has a known name. Some of the junk stuff from far Eastern sources, sold as low cost RG58 or RG223 bears no resemblance to the real thing.

Unless the run is very short, I'd use the 9913, with a replacable section of more flexible stuff, if needed to allow rotation.

I doubt that you will find anyone with long term experience of new-ish cables, and the factors most likely to influence your choice won't be printed ! You may be limited to extrapolations based on older cable designs.

Hope this helps a bit.

David GM4ZNX

Date: 5 May 93 22:22:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: Confusing letters in call signs
To: info-hams@ucsd.edu

M and N

Was that WIM or WIN.

I only identify as phonetics even on 2m FM (N 7 Whiskey India Mike). I have a British accent and for some reason I can't get this one clear enough for the local americans.

My UK call is almost never confused: U D P. All these letters are short (possibility of a pop on the P). And is more difficult to say with phonetics: Uniform Delta Papa

So:

1. Choose no confusing letters
2. With good phonetics

ABCDEFGHIJKLMNOPQRSTUVWXYZ

remove confusing letters:

ACDEHIKLOPQRTUXY

remove long phonetics

ACDEHIKLOPTXY

Now you may want to use this call on CW. Remove the long or easily confused letters.

ADEIKLT

Then pick a call with good rythmn from these letters (for example WIM has a good rythmn but EIE has por rythmn.

Well it all seems logical!

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com

"We conjure the spirits of the computer with our spells"

Date: 5 May 93 15:39:31 GMT

From: sdd.hp.com!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!kuhub.cc.ukans.edu!
baxter@decwrl.dec.com

Subject: Kenwood 741 Out of Band Problem

To: info-hams@ucsd.edu

In article <easu348.736570081@orion.oac.uci.edu>, easu348@orion.oac.uci.edu
(Andrew Schwartz Parker) writes:

> It seems I've been having a lot of questions about the 741/742 lately, so
> here's another: I have a Kenwood 741 that has been modified to receive out
> of band frequencies. But, I have noticed that the receive ability of the
> radio out of band is terrible (understatement). I have tried many tests (such
> as a different antanae, plugging my radio into other people's coax and antanaes,
> and nothing I do seems to cure this problem. When comparing the receive (out of
> band) on my radio to another person's receive (out of band) on their radio, mine
> simply is awful. Is there a problem with my radio? Do all 741s do this? If ther
> is a problem, how do I go about fixing it? Thanks to all who have helped me with
> my previous problems. This is no exception. Thanks again!
> Andy

Andy,

I tried a 741 also and experienced the same problem, especially on the UHF out-of-band receive. I like to listen to several of the frequencies in the 450-460 range, and my old Alinco 570T did a wonderful job of this, however it was limited to only 10 channels. My old Kenwood 721A also did a great job, but I usually used it as a base station radio.

Apparently, when tuned out-of-band, the 731A bypasses the tuned front end, and feeds the signal into the first mixer. This obviously will cause a marked problem in selectivity. Also, there is a problem with the pre-amp section on the UHF 731A receiver, such that, when tuned out-of-band, the pre-amp is bypassed, and may go into oscilltion.

The 742A is somewhat better on out-of-band receive, but it is still not perfect. My old Alinco still is better. Especially on VHF ouf-of-band where the Kenwood is much less sensitive compared to the Alinco.

Of course, none of the specs on ham equipment are guaranteed outsid

the hambands, but it's too bad that Kenwood's older decent 721 receivers couldn't have been used in the newer models.

73,
Kirk

Date: Mon, 3 May 1993 18:41:40 GMT
From: usc!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!
tcline@network.UCSD.EDU
Subject: Looking for Article in Apr 92 "73"
To: info-hams@ucsd.edu

> In rec.radio.amateur.misc, cbrooks@afit.af.mil (Christopher L Brooks) writes:
>
> I'm trying to hunt down (for a friend) the article "Aero Antenna," found
> in the April '92 issue of _73_. If anyone out there has it, could you
> please reply to me so we can work out a fax?
>
> Thanks,
> --
> Chris Brooks
> cbrooks@afit.af.mil

Hi Chris,

This sure sounds like my friend's "Arrow Antenna" article. Named so because the elements are aluminum hunting arrows. Very sweet design. All pack inside the boom. It wins many direction-finding contests, etc.

Al still makes and sells the arrow 2m beams, along with several other new antennas. If you are interested:

Al Lowe, N0IMW
1461 Peacock Place
Loveland, CO 80537
(303) 663-5485

(or email via me)

Hope this helps!

73

Ted Cline, N0RQV	VXI Systems Division
ted_cline@hpsla.lvld.hp.com	Hewlett-Packard, M/S CU-326
tcline@hpslx.lvld.hp.com	815 14th Street SW
VOICE: (303) 679-2352	P.O. Box 301
FAX: (303) 679-5971	Loveland, CO 80537 USA

Date: 5 May 93 14:37:17 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!news.cso.uiuc.edu!mrluxd.mrl.uiuc.edu!
tomory@network.UCSD.EDU
Subject: March/Rally/Prayer for Bosnian peace
To: info-hams@ucsd.edu

I must apologize for having posted the previous article to this newsgroup;
it was not the right newsgroup to which to post it, and I should not have
posted it here.

Although there is no way for me to remove my posting, please accept
my sincere apology for having posted it here.

-- Mark Tomory

Mark Tomory	tomory@uiuc.edu
University of Illinois	h: (217) 384-0634
Urbana, IL 61801	USA

Date: 4 May 93 16:07:07 -0600
From: mvb.saic.com!unogate!news.service.uci.edu!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!hamblin.math.byu.edu!yvax.byu.edu!physc1.byu.edu!
peterson@network.UCSD.EDU
Subject: Mobile antenna choice suggestions requested
To: info-hams@ucsd.edu

I am looking for a good mobile antenna for a van. I'm not particularly
averse to drilling a hole but I would rather not have the antenna mounted
in the center of the roof since that would interfere with hauling things
like canoes up there. One thought was to mount one of the 7' colinear
antennas (for 2m) on the front fender by the hood.

The real question is how will this mounting point affect the gain and
radiation pattern of the antenna? Or is there a better choice of
antenna that will have good characteristics mounted down on the corner

of the van?

I apologize if this is a FAQ but I haven't been able to find anything in the references I have available that really discusses mobile antennas.

Thanks,

Bryan G. Peterson KB7TEW
peterson@phycs1.byu.edu

Date: 5 May 93 18:48:48 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: no-code defense
To: info-hams@ucsd.edu

cfm1471@ucs.usl.edu (Morrison Charles F) writes:

>Im wondering, Todd, what exactly is the deal with the "nuts2u::little"?
>Is that an alias you use? Been following your posts about this no-code thing,
>and personally, you seem to have some good thoughts, but watch the name calling
>and stuff. Remember that it is just a hobby, and the F.C.C. will have the final
>say when it all comes down! Besides, isnt "nuts2u::little" a wee bit obnoxious?

Well thanks for the compliment(?) and suggestion. The "nuts2u::little" is apparently a result of the software I'm using to post to the net. I have such a distaste for the various news readers that I use a program that organizes news postings into a VAX NOTES notes file and lets me use a more civilized interface (just wish it had a kill file). It apparently drops my normal personal name and inserts my DECnet mail address. And as the node name of this cluster was selected long before I got on it... (all the nodes in the cluster are names of nuts)

And as usual, this topic has been dragged down another irrelevant rat hole. So much for rational logical debate. A "survey"? PUH-LEEZE I think is appropriate, although I'd "hate" to be called effeminate. It would so wound me.

Last I heard, the FCC manages the spectrum and licensing for all the citizens of the US, not just the amateurs. If you want a survey, ask the public, not the membership of some exclusive clique. Ask the members of any organization that has initiation rights if they want to change those rights and you will get what you expect. Behavioralist tell us that our actions are 95% habit and as such, most people will respond out of habit, i.e. I had to do it so you have to do it. Also remember folks, we represent less than 1/4 of 1% of the US population. If the other 99.75% of the population thinks our spectrum could be better utilized through other

licensing means, it's going to happen.

OH yeah, one other thing. This red-herring about whining is pretty funny. The most vociferous pro-change postings in this thread have been by amateurs who have demonstrated knowledge of Morse code (including myself). Or does anyone that advocates change automatically become a whiner? Personally, I'd rather be a conehead, but maybe it's because of my first name that I'm being called a Whiner. ;-)

Change is a difficult and dearly fought process, but change is inevitable. It's obvious from this thread that increasing the courtesy and respect within our ranks is a lost cause. I just hope we can institute changes that increase the technical and operating knowledge of amateurs while at the same time increase our ranks. We are an endangered species. Let's not become dinosaurs.

73,

Todd Who hopes he never has to visit Rhode Island and glad
N9MWB he lives in Chicago. We're one big happy family out here.

Date: 5 May 93 17:57:12 GMT
From: elroy.jpl.nasa.gov!nntp-server.caltech.edu!slr@decwrl.dec.com
Subject: Opinions & Mods wanted for Yaesu FT-530
To: info-hams@ucsd.edu

After much deliberation, I think I've finally narrowed down my choices for a new dual-band HT. The most important features are 2m/70cm and 800 Mhz receive.

I am told the '530 is modifiable to receive 800 Mhz, true ?

I am also interested in using the radio in the business band around 464 Mhz. Does anyone know of the useable transmit frequency range after modification ?

Opinions on this unit are most welcome!

--
Steve L. Rhoades | Voice: (818) 794-6004
Post Office Box 1000 |
Mt. Wilson, Calif 91023 | Internet: slr@cco.caltech.edu

Date: 5 May 93 15:53:29 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!news.acns.nwu.edu!
casbah.acns.nwu.edu!rdewan@network.UCSD.EDU
Subject: QSL info for 3C1EA
To: info-hams@ucsd.edu

I am looking for QSL info for 3C1EA. I get the GO list and it lists EA4CJA (my memory may be faulty as I type this). I sent a card direct to the CBA 93 address for the above and got it back from the postal system with the address scratched out and something indecipherable scribbled on the back. Presumably, the address is incorrect.

Any help will be appreciated.

Rajiv
aa9ch
Address: r-dewan@nwu.edu
Phone: None. Only CW.

Date: 5 May 93 22:40:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ramsey Addr?
To: info-hams@ucsd.edu

The correct address is: Ramsey Electronics
793 Canning Parkway
Victor, NY 14564
(716) 924-4560
FAX (716) 924-4555

73, Mark. aa2ma.

Date: 5 May 93 22:01:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: Relativity
To: info-hams@ucsd.edu

>Does the wave-front polarity actually rotate as it travels through space,
>or is it just that the polarity at the source rotates with time (and the
>polarity at any distant point in space), but any individual wave-front
>actually retains its polarity as it travels through space?

All observers traveling at the same velocity in the same direction as the wave front would detect no rotation. All other observers would

detect rotation. Then, is it rotating or not? Should they vote on it?
Cecil...KG7BK

Date: 5 May 1993 01:29:23 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!news-feed-1.peachnet.edu!umn.edu!zip.eecs.umich.edu!destroyer!
cs.ubc.ca!unixg.ubc.ca!taf@network.UCSD.EDU
Subject: Request for Mods for Yaesu FT-5100/5200
To: info-hams@ucsd.edu

:

y

Date: 5 May 93 16:15:28 GMT
From: spool.mu.edu!mixcom.com!mei.mon@decwrl.dec.com
Subject: Spread Spectrum use?
To: info-hams@ucsd.edu

In <LINNIG.93May4145935@m2000.dseg.ti.com> linnig@m2000.dseg.ti.com (Mike Linnig)
writes:

>Folks,

>I've been reading the Spectrum Spectrum Source Book and I must say I find the
>technology fascinating.

>Is anyone reading who this doing spread spectrum work in the Ham bands? If so,
how

>about posting a note or two about what is happening with SS?

>Thanks and 73,

I can't say what anyone else is doing. Nobody in any of the amateur
radio clubs that I am a member of is touching the stuff. Had to start
my own work to learn anything.

I'm currently working (when I can find the time) on my own spread-spectrum
project in the 900 MHz band. I plan on doing it all: rf hardware, AtoD, DtoA
and software. All from scratch. I have the block diagrams done. Am selecting
components and starting on software and digital hardware. Of course, it
will only be compatible with another system designed by me.

The intent here is NOT to "hide" or "encrypt" the transmission. That's just

how spread spectrum works.

BTW, I'm a NO CODE TECH, and proud of it!

I'd rather do something that will BOTH enhance my knowledge of amateur radio and also be useful in today's job market. Learning CW will not provide both. I guess I could design a cherry-wood base for my key and enhance my wood-working skills. ;-)) Any OTHER "cutting-edge" work going on out there in CW land?? ;-)) Just doing my part to fan the flames of the no-code bashers. ;-)))

Kevin Jessup, N9SQB

Temporarily using our companies corporate account. Many other individuals use it as well. Please state in any E-mail follow-ups that the mail is intended for me so as to avoid confusion. Thanks.

Marquette Electronics, Inc. account information follows...

--
mei.mon@mixcom.com

Date: Mon, 3 May 1993 16:57:27 GMT
From: usc!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcs!
myers@network.UCSD.EDU
Subject: Why is .info stuff here?
To: info-hams@ucsd.edu

Is there some reason that bulletins, orbital elements, etc., are still being posted both here and in rec.radio.info? I thought that that group was created specifically to relieve the clogging of the .misc groups; it certainly hasn't done that, and now I simply see duplication.

The only argument I can possibly imagine for continuing to post such items here is that "not all sites get .info". I suspect that this would apply to very, very few sites; if there are some who receive .misc and NOT .info, I'd sure like to know why. If they're worried about disc space, they're sure not seeing any real difference as long as all of .info winds up here anyway!

Bob Myers	KC0EW	Hewlett-Packard Co.	Opinions expressed here are not
		Systems Technology Div.	those of my employer or any other
myers@fc.hp.com		Fort Collins, Colorado	sentient life-form on this planet.

Date: 4 May 93 16:53:51 GMT
From: news.bbn.com!levin@seismo.css.gov
To: info-hams@ucsd.edu

References <easu348.736460736@orion.oac.uci.edu>, <1993May4.095247.4499@abo.fi>,
<1993May4.134120.29246@EE.Surrey.Ac.UK>-
Subject : Re: Zed in callsign:what is it, where come from?

M.Willis@ee.surrey.ac.uk (Mike Willis) writes:

|On a different point I notice that many products are now being sold in the UK
|with lables with incorrect spelling (for our language). Now USA imports I can
|^^^^^^
|understand, but when it is made in the UK! Even metre gets spelt wrongly!
|. . . etc. etc.

I was surprised to learn of a new spelling of "label" in that funky
British dialect!

/J

=
Nets: levin@bbn.com | "There were sweetheart roses on Yancey Wilmerding's
POTS: (617)873-3463 | bureau that morning. Wide-eyed and distraught, she
KD10N | stood with all her faculties rooted to the floor."
| -- S. J. Perelman

Date: 4 May 93 16:38:50 GMT
From: news.bbn.com!levin@seismo.css.gov
To: info-hams@ucsd.edu

References <930502.151850.7V4.rusnews.w165w@garlic.sbs.com>,
<C6Fp4o.F2L@news.Hawaii.Edu>, <930503.162837.6v1.rusnews.w165w@garlic.sbs.com>
Subject : Re: no-code defense

system@garlic.sbs.com (Anthony S. Pelliccio) writes:

|jherman@uhunix.uhcc.Hawaii.Edu (Jeff Herman) writes:

|> So, ladies and gentlemen, why don't we take an informal poll here on
|> the net: give your callsign and state whether you support the no-code
|> license or feel it was a bad idea. I'll start:
|>
|> I'm NH6IL and I'm against the no-code license.

| I'm KD1NR and I'm against the no-code license.

I'm KD10N and I'm in favor of the no-code license.

But look who's talking here. One of the sbs flammers and a guy who thinks he can insult me by saying that "Puh-leeze" is "effeminate" (this was e-mail, folks, you didn't see it here).

End of Info-Hams Digest V93 #542
